

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Juergen GOETZE et al.

Application No.: Unassigned

Group Art Unit: Unassigned

Filed: December 13, 2005

Examiner: Unassigned

For: METHOD FOR THE ESTIMATION OF DATA UNITS TRANSMITTED IN A RADIO
BLOCK VIA A RADIO CHANNEL AND RECEIVING STATION

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
- 1c. ☒ English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
- 1d. ☐ English language translation (complete, Abstract or relevant portion(s)) attached to non-English language publications as indicated on the attached Form PTO-1449.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.

2. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is

(Check appropriate Items 2a, 2b, 2c and/or 2d)

- 2a. ☐ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)

- 2b. ☐ set forth in the application.
- 2c. ☐ satisfied for the non-English language publication(s) indicated on the attached PTO-1449 as having an English language translation (complete, Abstract or relevant portion(s)) attached thereto.
- 2d. ☐ enclosed as Attachment 1(e), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.	APPLICATION NO.
			1454.1653	Unassigned
	FIRST NAMED INVENTOR			
	Juergen GOETZE et al.			
			FILING DATE	GROUP ART UNIT
			December 13, 2005	Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	2003/00955 33	May 22, 2003	Joo et al.			
	AB	2002/01816 25	December 5, 2002	Gorokhov et al.			
	AC	2002/00940 22	July 18, 2002	Bially et al.			
	AD	6,345,076	February 5, 2002	Petersen et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AE	02/082683	October 17, 2002	WIPO			
	AF	02/087182	October 31, 2002	WIPO			
	AG						

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

			TRANSLATION YES NO	
	AH	C. Vinsent Sinn et al., "Comparative Study of Techniques to Compute FIR Filter Weights in Adaptive Channel Equalization" IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING. PROCEEDINGS. (ICASSP) Vol. 1 of 6, April 2003, pages VI217 - VI220.		
	AI	C. Tepedelenlioglu, "Low Complexity Linear Equalizers with Maximum Multipath Diversity for Zero-Padded Transmissions" IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING. PROCEEDINGS. (ICASSP) Vol. 1 of 6. April 2003, pages IV636-IV639.		
	AJ	Z. Wang et al., "Wireless Multicarrier Communications", IEEE Signal Processing Magazine, Vol. 17, May 2000, pages 29-48.		
	AK	S. Barbarossa et al. "Performance Analysis of a Deterministic Channel Estimator for Block Transmission Systems With Null Guard Intervals", IEEE Transactions of Signal Processing, Vol. 50, March 2002, pages 684-695.		

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	AL	C. Vincent Sinn et al., "Efficient Algorithms Relating OFDM Channel Parameters to Filter Weights in Single-Carrier Systems with Frequency Domain Equalization", Conference Proceedings 2002.		
EXAMINER		DATE CONSIDERED		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				